

304 1"

Rush sub 1/5

Work Order ID 154817

154817

Page 1

Thursday, December 22, 2016 7:16:54 AM

Item ID: D3009-3

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Cup

Start Date: 1/5/2017

Start Qty: 20.00

20

Cust Item ID:

Required Date: 1/10/2017

Req'd Qty: 20.00

20

Customer:

Reference:

Approvals:

Process Plan:

DAS
21
9-89

Date:

DEC 22 2016

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D3009

Rev B

100

0.10

100

Hardinge

Hardinge CNC LATHE SMALL

0.27

Memo

Hardinge CNC Lathe Small

1-TURN AS PER FOLIO FA130 & DWG D3009

FOLIO REV: AA

DWG REV: B

2-DEBURR AS REQUIRED

110

0.00

110

QC

QC2- Inspect parts off machine FAI/FAIB

Memo

Quality Control

0.03

DAS

45

9-89

DAS

45

9-89

17-01-C

17-01-C

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:12.5%;">Skid-tube ☐</td> <td style="width:12.5%;">Cross tube ☐</td> <td style="width:12.5%;">Water Jet ☐</td> <td style="width:12.5%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																							
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OTHER : _____																																																															

154817

Thursday, December 22, 2016 7:16:54 AM

N900040100

Setup Start *NS1*

Stop *NS2*

20

Cust Item ID:

Start Date: 1/5/2017 **Start Qty:** 20.00

Required Date: 1/10/2017 **Req'd Qty:** 20.00

20

Customer:

Reference:

Run Start *NR1*

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop *NR2*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120 QC8- Inspect parts - second check

0.00

120

0.07

OC

Quality Control

Memo

DAS
14
9-89

17/10/23

130	Identify as per dwg & Stock Location: <u>WFO7</u>	0.00
-----	---	------

0.00

130

0.03

Packaging

Packaging

Memo

*****STOCK IN LARGE FAB*****
LOCATION WA002

20 EL 17-1-4

140	QC21- Final Inspection - Work Order Release	0.00
-----	---	------

0.00

140

0.33

QC

Quality Control

Memo

DAS
21
9-89

~~JAN 05 201~~

DAS
21
9-89

JAN 05 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
2AC 21 88-8									
Root Cause		FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER :						
Misidentified ☐	☐	Past Due ☐							

Picklist Print

Thursday, December 22, 2016 7:16:53 AM

Page 1

Work Order ID: 154817

154817

Parent Item: D3009-3

D3009-3

Parent Item Name: Cup

Start Date: 1/5/2017

Required Date: 1/10/2017

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP A 07.12.18new issue EC
IPP Rev:B 08-01-08 ECN 1089 rev:b as per dwg DD verified by:ec

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304R1.000		Purchased	No			110	f	7.3840	0.0479	1.008421			

M304R1 000

304 round bar 1.00

Location

Loc Qty

Loc Code

MAT

7.384

m136079

7.384

DAS

45

9-89

17-01-03

10.0

DQA: _____ Date: _____

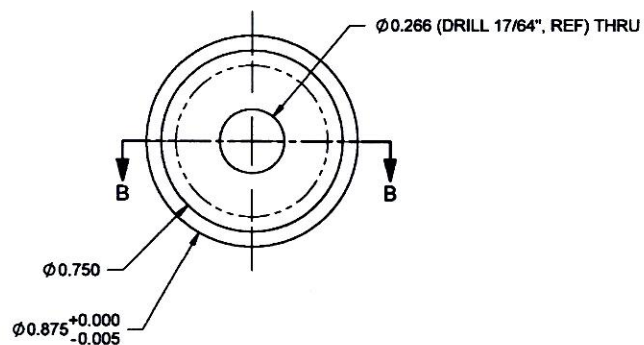
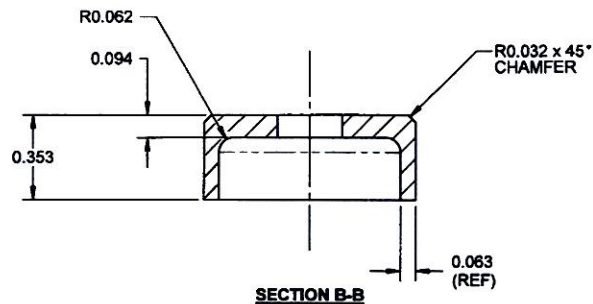


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D3009-3 CUP

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL ROUND BAR
(REF DART SPEC M304R)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.03 lbs

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 154817

MLJ
16-12-22

RELEASE
08-01-07-11P

DESIGN	921	DART AEROSPACE LTD	
DRAWN	921	HAWKESBURY, ONTARIO, CANADA	
CHECKED	13	DRAWING NO.	REV. B
MFG. APPR.	13	D3009	SHEET 2 OF 2
APPROVED	13	TITLE	SCALE
DE APPR.	13	CUP	2:1
DATE	07.12.12	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	